

Patent Application of Virgil L. Roper for "Transportable, Self-Contained,
Recirculating, Wash Plant" continued

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ABSTRACT: A combination of prospecting equipment and apparatus, for the purpose of collecting precious minerals from mineral bearing sand and gravel, located in regions that are arid in nature, have little water or limited water usage, due to environmental concerns. The Wash Plant Unit comprising; A feed hopper for receiving and washing materials. A sluice box and apparatus for collecting precious minerals. A sluice box extension with a filter screen for separating gravel from sand and water. A filtration box with a sediment pan and screening devices for separating sand from water. A receptacle and implement holder for holding miscellaneous prospecting supplies. A water pump with a suction and discharge for drawing and dispensing water. All built upon and attached to its own water reservoir, which is attached to a frame with a hitch, built upon a set of axles with tires, suitable for being transported by an All Terrain Vehicle.